

**INTERCEPTION CALL SIGNALING METHOD AND APPARATUS  
BETWEEN A GATEKEEPER AND AN INTELLIGENT PERIPHERAL IN A  
VOICE FRAME NETWORK**

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**ABSTRACT OF THE DISCLOSURE**

10        Telecommunications apparatus between a voice frame network gatekeeper and  
an intelligent peripheral, e.g. an interactive voice response unit (IVR), includes a voice  
frame network connection for coupling the same. The apparatus further includes a  
protocol over the connection that provides supplemental service messaging  
15        therebetween, the protocol enabling the gatekeeper to selectively insert one or more  
messages to the intelligent peripheral and to selectively intercept one or more messages  
therefrom. Preferably such insertion is of one or more GR-1129-CORE send-to-  
resource (STR) messages and such interception is of one or more ITU-T H.323  
FACILITY messages including a RETURN RESULTS component. An invocation  
20        mechanism within the gatekeeper and a performance mechanism within the IVR permits  
the gatekeeper to set a defined task to the IVR, also preferably in accordance with the  
ITU-T H.323 and H.450 standards. The method involves configuring the gatekeeper as  
a supplemental services provider (SSP) and configuring the IVR as an intelligent  
peripheral, under ITU-T H.450. The method further involves conveying requests from  
25        the gatekeeper to the IVR and conveying responses thereto from the IVR to the  
gatekeeper, wherein the gatekeeper selectively intercepts one or more messages from the  
IVR and, optionally, also selectively inserts one more messages to the IVR.